

2

Science Standards
2.2.e. and 2.2.f.

Supports
ELA Standard:
Reading 2.1.10.



Flowering Plants in Our Changing Environment

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

The Education and the Environment Curriculum is a cooperative endeavor of the following entities:

California Environmental Protection Agency
California Natural Resources Agency
Office of the Secretary of Education
California State Board of Education
California Department of Education
California Integrated Waste Management Board

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Key Partners:

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Office of Education and the Environment

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Lesson 1 Flowers to Fruit

None required for this lesson.

Lesson 2 People Depend on Plant Reproduction

None required for this lesson.

Lesson 3 Ecosystems Help Plants Grow and Reproduce

None required for this lesson.

Lesson 4 Plants Change in a Changing Environment

None required for this lesson.

Lesson 5 When People Change Plants' Habitats

None required for this lesson.

Assessments

Understanding Plant Changes—Traditional Unit Assessment Master 2

People, Plants, and Nature—Alternative Unit Assessment Master 5

Name: _____

Instructions: Read each sentence. Select the best answer and circle the correct letter. (2 points each)

1. Miners grew new orange trees by planting the Mother Orange Tree's _____.

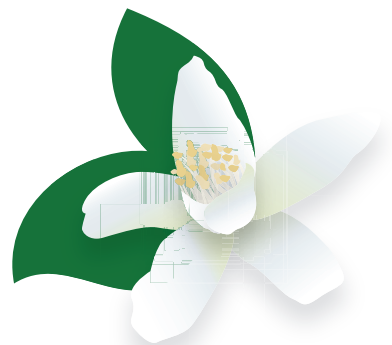
- a. leaves
- b. bark
- c. seeds
- d. roots

2. The orange tree's flowers turn into _____.

- a. fruit
- b. apples
- c. seeds
- d. leaves

3. The fruit of cotton plants give people material to make _____.

- a. houses
- b. desks
- c. apples
- d. clothes



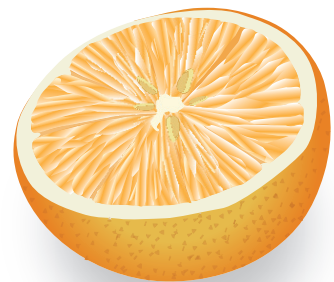
Name: _____

4. To have wood for building and heat, people need lots of _____.
- a. blackberries
 - b. oak trees
 - c. cotton plants
 - d. weeds
5. Blackberries need _____ from their ecosystem.
- a. water
 - b. some sunlight
 - c. space
 - d. water, some sunlight, and space
6. Joshua tree seeds need _____ to sprout.
- a. shade
 - b. drought
 - c. rain
 - d. moths
7. An orange tree may be hurt or killed by a _____.
- a. fan
 - b. freeze
 - c. bee
 - d. sprinkler



Name: _____

8. During a _____, a plant's leaves may wilt.
- a. rain
 - b. wind
 - c. cloudy day
 - d. drought
9. When people ride over dune grass, _____.
- a. it is not hurt
 - b. it cannot make seeds
 - c. it will grow back quickly
 - d. it helps the dunes
10. People can stress plants when they _____.
- a. water their garden
 - b. fertilize their garden
 - c. spray weed killer
 - d. plant a garden



Name: _____

Instructions: Use the Word Bank to answer questions about plant parts.

Word Bank

seed	tree	fruit	bud	flower
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1. Look at each part of the orange tree. Pick a word from the Word Bank that names the part. Write the word under the plant part. (1 point each)











Instructions: On the lines below, name the plant parts in the order they grow.

2. Put the names of the plant parts in order to show how an orange tree grows, starting with the bud. (1 point each)

bud

Name: _____

Instructions: Look at the picture below and complete the task.

Plants need certain things to survive. This oak tree gets all it needs from its environment.

3. List four things in this picture that help the oak tree to live and grow.
(1 point each)



Name: _____



Instructions: Write the answer to each question. (1 point each)

4. Why are the cotton bolls important to cotton plants?

5. What part of this plant do people use?

6. How are cotton plants used by people?

Name: _____



Instructions: Write the answer to each question. (1 point each)

7. Why are the apples important to apple trees?

8. What part of this plant do people use?

9. How are apple trees used by people?

Name: _____



Instructions: Look at the photograph above. Circle the correct answer.
(1 point each)

10. What is stressing the plants?

- a. the environment
- b. human activities

Instructions: Write the answer to each question. (1 point each)

11. What is happening to the plants?

12. What will happen to the soil?

Name: _____



Instructions: Look at the photograph above. Circle the correct answer.
(1 point each)

13. What is stressing the plants?
- a. the environment
 - b. human activities

Instructions: Write the answer to each question. (1 point each)

14. What is happening to the plants?

15. What is happening to the dune?



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